WARBLERS

**TANAGERS** 

FINCHES

**WEAVER FINCHES** 

\* Orange-crowned Warbler ...., c

\* Orange-crowned Warbler CNashville Warbler OYellow Warbler CNBlack-throated Gray Warbler CNBLAC

Western Tanager ...... u joj u

BLACKBIRDS, MEADOWLARKS AND ORIOLES

Purple Finch r
\* House Finch c c a
Pine Siskin r
\* Lesser Goldfinch c c
\* American Goldfinch c c c c

House Sparrow ...... c

GROSBEAKS AND BUNTINGS

TOWHEES AND SPARROWS

\* Black-headed Grosbeak ..... c

## **Accidental Species**

Yellow-billed Loon	* *
Laysan Albatross	10 July 1995
Northern Fulmar	
Pink-footed Shearwa	ater
Sooty Shearwater	the second of the second
Fork-tailed Storm-P	etrel
Leach's Storm-Petre	al a extensión autori
Ashy Storm-Petrel	
Yellow-crowned Nig	ht-Heron
Greater Flamingo	a can be set in the
Fulvous Whistling-D	uck
Emperor Goose	
Tufted Duck	the second second
King Eider	and the second second
Harlequin Duck	
Smew	100
Red-shouldered Hav	xile .
Broad-winged Hawk	
Swainson's Hawk	
Sandhill Crane	
Mountain Plover	
American Black Oys	dercatcher
Surfbird	or and the second
Sharp-tailed Sandpi	per
Stilt Sandpiper	and the second section of the second
Pomarine Jaeger	
Long-tailed Jaeger	The state of the state of the
South Polar Skua	
Black-legged Kittiwa	ake
Royal Tern	The second second
Arctic Tern	. The second second
Black Skimmer	
Marbled Murrelet	
Xantus' Murrelet	
Ancient Murrelet	
Band-tailed Pigeon	
Western Screech-O	wl
Long-eared Owl	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Northern Saw-whet	Owl
Hairy Woodpecker	O (
Hammond's Flycatch	hor
Gray Flycatcher	161
Tropical Kingbird	alah .
White-breasted Nuth	iaicii
Winter Wren	2.5
Sage Thrasher	2012
Northern Shrike	and the state of the state of
Northern Parula	-
Palm Warbler	
Blackpoll Warbler	
American Tree Spar	row
Lark Sparrow	(
Chipping Sparrow	-
11-1-1-0	200

Harris' Sparrow Lapland Longspur



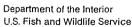
## Notes

Date	No. Species
Time Afield	
Time Aneid	
Observers	
Weather	
Remarks	
Hellarks	
	·

Please help us keep this checklist accurate and up to date. Report unusual bird sightings to:

Refuge Manager San Francisco Bay NWR PO Box 524 Newark, CA 94560-0524 Phone (415) 792-0222



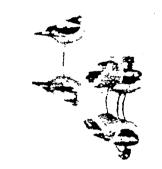




RF11640

January 1987 +U.S. GOVERNMENT FRINTING OFFICE: 1989-0-691-033/00006 **Birds** of San Francisco Bay and San Pablo Bay National Wildlife

Refuges







Sp S F W

San Francisco Bay is the largest estuary on the west coast of the United States. Its 1,600 square miles of wetlands and open water are home to at least 800,000 waterbirds at any given time and to millions during peak migration. Some of these birds are permanent residents and a few come here only to breed. Most, however, use the Bay as a resting and feeding stop on their long migrations. Seventy per cent of the birds that migrate along the Pacific Flyway spend some time each year at San Francisco Bay.

This list, which includes 281 species, was compiled by the San Francisco Bay Bird Observatory with the assistance of many experienced ornithologists and veteran birders. It includes all species that are found in San Francisco Bay and Delta, and their bordering wetlands. It does not include all species that can be found in nearby upland habitats.

The relative abundances printed in this checklist indicate how frequently you might expect to see a bird in its favored habitat. Consult field guides or reference books to learn the specific habitats in which a particular species can be found. This checklist is arranged in accordance with the nomenclature used in the A.O.U. Check-list of North American Birds, 6th edition (1983).

## Season Symbols

- Sp Spring, March through May
- S Summer, June through August
- F Fall, September through November
- W Winter, December through February

## **Abundance Symbols**

- a abundant a common species which is very numerous
- c common certain to be seen in suitable habitat
- u uncommon present, but not certain to be see
- o occasional seen only a few times during a season
- r rare known to be present, but not every year
- \* birds known to nest locally

endangered species



COMMON NAME Sp	s	F	W	COMMON NAME	Sp	s	F	W
•								
LOONS	13.11		?					<u>:</u> -
Red-throated Loon o	r	u	ξu	Oldsquaw	r	1	r	l.,r
	£ "		Ł U	Black Scoter		2	0	1
Arctic Loon u Common Loon u	7	u	C	Surf Scoter	u		а	a
50mmon 250m 111111111111111111111111111111111111		ŭ		White-winged Scoter		35	11	i)
GREBES	9"		E.	Common Goldeneye			II.	
* Pied-billed Grebe c	5.5.	_		Barrow's Goldeneye			'n	Įž,
			C	Bufflehead		<b>100</b> 100	٥	
Horned Grebe u		u	C				0	
Red-necked Grebe r		r	€o	Hooded Merganser		<b>的</b>	0	6.1
* Eared Grebe a		С	(a	Common Merganser			0	
Western Grebe c	u .	С	C	Red-breasted Merganser			u	į'nυ
	13		<b>K</b> '	* Ruddy Duck	С	C	а	p.a
PELICANS AND CORMORANTS			2.			1		6
American White Pelican o	C	C	L.C	VULTURES		Mac.		
Brown Pelican r	ů.	u	Lo.	Turkey Vulture	u	LU.	u	Ė.
* Double-crested Cormorant u		а	88.			學經	1	135
Brandt's Cormorant		r	際	OSPREY, KITES, EAGLES AND HA	w	cs		
Pelagic Cormorant u		ù	141	Osprey		PEPE		80
Pelagic Comorain u	800	u		* Black-shouldered Kite		<b>医</b>	c	
TITETONIA LIEDONIA LUD FORETO	132		200			影響	-	
BITTERNS, HERONS AND EGRETS				Bald Eagle			r	R
* American Bittern u	0.	и	En .	* Northern Harrier		C.S	С	
Least Bittern		0	E.A.	Sharp-shinned Hawk	u		u	
* Great Blue Heron c	C;	С	C.	Cooper's Hawk	0	<b>53</b>	u	
* Great Egret c	C	С	EC.	* Red-tailed Hawk	C	ACS.	C	B
* Snowy Egret a		а	a	Ferruginous Hawk			ŗ	
* Little Blue Heron o		0		Rough-legged Hawk	r	经	r	n
Cattle Egret o		0	M-7964	Golden Eagle			0	E.
* Green-backed Heron r		o	P3.65	Goldon Edgio TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT			·	
* Black-crowned Night-Heron c		0		FALCONS				
" black-crowned hight-heron c		U		* American Kestrel	_		_	
						經過	С	
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White-faced lbis r			<b>60</b> :	Peregrine Falcon			0	Ę
WATEREOWI				Prairie Falcon			r	
WATERFOWL								1
Tundra Swan r		r		GALLINACEOUS BIRDS			٠	
Greater White-fronted Goose	经验	0	303	* Ring-necked Pheasant	С	EC.	С	
Snow Goose		r	O	* California Quail			U	Ä
Ross' Goose								
Brantr		r		RAILS				
* Canada Goose u		÷		* Black Rail	0	<b>夏</b> 漢	ò	
		0					c	8
Wood Duck r		•		* Clapper Rail				8
Green-winged Teal u		U		* Virginia Rail			u	
* Mallard c	17.75	C	E C	* Sora			U	
* Northern Pintail c		а	a	* Common Moorhen			u	
* Blue-winged Teal o		0	50	* American Coot	. с	C.	а	Ě
* Cinnamon Teal c	1	C						ă
* Northern Shoveler c		а	a	PLOVERS				2
* Gadwall u		C		Black-beilied Plover	. a		а	
Eurasian Wigeon	<b>PSS</b>	r		Lesser Golden-Plover			f	K
American Wigeon c	<b>新</b>	r		* Snowy Plover			u	į.
Canvasback c		c		Semipalmated Ployer			c	Ħ
		n		* Killdeer			c	
Redhead r		9		Mildeel			C	6
Ring-necked Duck r		1						Į,
Greater Scaup u		0		-				
* Lesser Scaup a	20%	а	<b>经</b> 直接			酸器		1

* Black-necked Stillt	OOMMON HAME		-	υþ	3	'	**
* American Avocet	STILTS AND AVOCETS				RESERVE		V1.75
* American Avocet				-c		а	ı a
SHOREBIRDS   Greater Yellowlegs   C   U   C   Lesser Yellowlegs   O   O   U   Willet   a   C   a   Wandering Tattler   r   F   O   Spotted Sandpiper   r   F   F   T   Whimbrel   U   U   U   Long-billed Curlew   C   C   a   Ruddy Turnstone   U   U   U   U   Black Turnstone   U   U   U   U   U   U   U   U   U					SC 3		a.
Greater Yellowlegs			•	_		-	12
Lesser Yellowlegs	SHOREBIRDS						
Lesser Yellowlegs	Greater Yellowlegs			С		С	C
Willet         a         a         a           Wandering Tattler         r         I         o           Spotted Sandpiper         r         I         o         u           Whimbrel         u         0         u </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>e r</td>							e r
Wandering Tattler r Spotted Sandpiper r U U U U U U U U U U U U U U U U U U							a
Whimbrel U Cong-billed Curlew C U Comarbilled Curlew C U Comarbilled Godwit C C U Comarbilled Godwit C C U Comarbilled Godwit C C C C C C C C C C C C C C C C C C C							Ç,
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Long-billed Curlew	Whimhral		•				0
Marbled Godwit a Guddy Turnstone u Guddy Turnsto	Long-hilled Curlew		•				c
Ruddy Turnstone Black Turnstone Black Turnstone Red Knot Sanderling U Semipalmated Sandpiper Western Sandpiper Western Sandpiper Western Sandpiper Baird's Sandpiper Pectoral Sandpiper T Dunlin C Short-billed Dowitcher C Long-billed Dowitcher C C SNIPE Common Snipe   PHALAROPES Wilson's Phalarope Wilson's Phalarope Red-necked Phalarope Red-necked Phalarope T Red-necked Phalarope Red-necked Phalarope Red-necked Phalarope GULLS AND TERNS Franklin's Gull Bonaparte's Gull A Heermann's Gull Mew Gull Wing-billed Gull C C Ca a C California Gull A Herring Gull Thayer's Gull U Western Gull C Glaucous-winged Gull C Glaucous Gull C C Caspian Tern C	Marbled Codust		•				a
Black Turnstone	Duddy Turnstone						in the
Red Knot C C C Sanderling U Semipalmated Sandpiper U Semipalmated Sandpiper A A Least Sandpiper A A Least Sandpiper C C A Baird's Sandpiper C C A Baird's Sandpiper C C A Baird's Sandpiper C C C C C C C C C C C C C C C C C C C							屡
Sanderling Semipalmated Sandpiper Western Sandpiper							
Semipalmated Sandpiper Westerii Sandpiper a Least Sandpiper c a a Least Sandpiper r r r r Pectoral Sandpiper r r r Pectoral Sandpiper r r r Pectoral Sandpiper r r r r Dunlin c o a short-billed Dowitcher c o c c c c Long-billed Dowitcher c o c c c SNIPE Common Snipe u r u v PHALAROPES Wilson's Phalarope u v Red-necked Phalarope c a c Red Phalarope r o c short-billed Dowitcher c o c short-billed Dowitcher c o c short-billed Dowitcher c o c short-billed Short-billed C short-billed Gull r short-billed Gull c c short-billed Gull c c short-billed Gull c c c c Glaucous Gull c c c c c Glaucous Gull c c c c c c c Glaucous Gull c c c c c c c c c c c c c c c c c c							c
Western Sandpiper a Least Sandpiper c Baird's Sandpiper r r Pectoral Sandpiper r r Pectoral Sandpiper r r Pectoral Sandpiper r r so a Short-billed Dowitcher c c o c C ShiPE Common Snipe u u u u u u u u u u u u u u u u u u u				u	<b>SU</b> .		Į.
Least Sandpiper C C Baird's Sandpiper T T T T Pectoral Sandpiper T T T T Pectoral Sandpiper T T T T Dunlin C C C C C C C C C C C C C C C C C C C							
Baird's Sandpiper				а	EC.	а	a
Pectoral Sandpiper					C		a
Dunlin C O a Short-billed Dowitcher C III C C Long-billed Dowitcher C III C C C C SNIPE Common Snipe U III U PHALAROPES Wilson's Phalarope U Red-necked Phalarope C C Red Phalarope II O C Red Phalarope II O C C Red Phalarope II O C C C C Red Phalarope II O C C C C C Red Phalarope II O C C C C C C C C C C C C C C C C C	Baird's Sandpiper			- r			
Dunlin	Pectoral Sandpiper			r	113	r	
Long-billed Dowitcher C C C C  SNIPE Common Snipe U T U  PHALAROPES Wilson's Phalarope U A U A U A U A C A C A C A C A C A C A	Dunlin			С	0	а	a
SNIPE Common Snipe U  PHALAROPES Wilson's Phalarope Red-necked Phalarope Red Phalarope T  JAEGERS Parasitic Jaeger  GULLS AND TERNS Franklin's Gull Bonaparte's Gull A Heermann's Gull Heermann's Gull C C C C C C C C C C C C C C C C C C C	Short-billed Dowitcher			¢		С	c
SNIPE Common Snipe U  PHALAROPES Wilson's Phalarope Red-necked Phalarope Red Phalarope T  JAEGERS Parasitic Jaeger  GULLS AND TERNS Franklin's Gull Bonaparte's Gull A Heermann's Gull Herring Gull C California Gull Herring Gull Thayer's Gull Western Gull C Glaucous Gull C Glaucous Gull C C G G Glaucous Gull C C C G G G Glaucous Gull Tensor C C C G G G G C C C C C G G G C C C C				С	0	С	C
Common Snipe u 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•						
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PHALAROPES Wilson's Phalarope	Common Snipe			u		u	- U
Wilson's Phalarope u			•	Ī			
Wilson's Phalarope u Red-necked Phalarope c Red Phalarope r 0  JAEGERS Parasitic Jaeger C 0  GULLS AND TERNS Franklin's Gull a Bonaparte's Gull u Wew Gull u Ring-billed Gull c c a a California Gull a a a Herring Gull a a a c a Herring Gull c c c a c California Gull a c c c c Glaucous-winged Gull c c c c Glaucous-winged Gull c c c c Glaucous Gull c c c Glaucous Gull c c c Glaucous Gull c c	PHALAROPES						
Red-necked Phalarope C Red Phalarope T O Red Phalarope T O O O O O O O O O O O O O O O O O O	Wilson's Phalarone			ŧı		u	
Red Phalarope r o o  JAEGERS Parasitic Jaeger o o  GULLS AND TERNS Franklin's Gull r Gull a c a a serior and a common tern common Tern c c a a c a c a c a a c a a a a a a a							
JAEGERS Parasitic Jaeger 0  GULLS AND TERNS Franklin's Gull	•						
Parasitic Jaeger         0           GULLS AND TERNS         r           Franklin's Gull         a           Bonaparte's Gull         a           * Heermann's Gull         r           Wew Gull         u           Ring-billed Gull         c           * California Gull         a           Herring Gull         a           Thayer's Gull         u           Western Gull         c           Glaucous-winged Gull         c           Glaucous Gull         o           * Caspian Tern         c           Caspian Tern         c           Common Tern         c           * Forster's Tern         c           * Least Tern         u	rica i maiaropo		• •	٠.		•	
Parasitic Jaeger C O  GULLS AND TERNS Franklin's Gull r Bonaparte's Gull a A Heermann's Gull u Ring-billed Gull c a A California Gull a A Herring Gull a C C C C Glaucous-winged Gull c C C C Glaucous-winged Gull c C C C Glaucous Gull c C C C C Glaucous Gull c C C C C C C C C C C C C C C C C C C	JAEGERS						
GULLS AND TERNS Franklin's Gull Bonaparte's Gull Heermann's Gull Ring-billed Gull California Gull Action a a a a a a a a a a a a a a a a a a a		٠				^	逖
Franklin's Guil         r           Bonaparte's Guil         a           * Heermann's Guil         r           Mew Guil         u           Ring-billed Guil         c           * California Guil         a           Herring Guil         a           Thayer's Guil         u           * Western Guil         c           Glaucous-winged Guil         c           Glaucous Guil         o           * Caspian Tern         c           Cegant Tern         r           Common Tern         c           * Forster's Tern         c           * Least Tern         u	Tarasino bacger		• •		隐缝	٠	
Franklin's Guil         r           Bonaparte's Guil         a           * Heermann's Guil         r           Mew Guil         u           Ring-billed Guil         c           * California Guil         a           Herring Guil         a           Thayer's Guil         u           * Western Guil         c           Glaucous-winged Guil         c           Glaucous Guil         o           * Caspian Tern         c           Cegant Tern         r           Common Tern         c           * Forster's Tern         c           * Least Tern         u	CHILS AND TERMS						
Bonaparte's Gull			`.				
* Heermann's Gull r Mew Gull u Ring-billed Gull c c a a California Gull a Herring Gull u u w Western Gull c Glaucous-winged Gull c Glaucous Gull c C Glaucou			٠.				
Mew Gull         u         u           Ring-billed Gull         c         a           * California Gull         a         a           Herring Gull         u         c           Thayer's Gull         u         u           * Western Gull         c         c           Glaucous-winged Gull         c         c           Glaucous Gull         o         r           * Caspian Tern         c         c           Elegant Tern         r         c           Common Tern         o         c           * Forster's Tern         c         c           * Least Tern         u         c							6%
Ring-billed Gull					2.0		27.0
* California Gull a a A Herring Gull a C C Thayer's Gull u u w * Western Gull C Glaucous-winged Gull C Glaucous Gull C Glaucous Gull C C Glaucous Gull C C C G Elegant Tern C C C C C C C C C C C C C C C C C C C					多數	_	146
Herring Gull					C		100
Thayer's Gull       u       u         * Western Gull       c       c         Glaucous-winged Gull       c       c         Glaucous Gull       o       r         * Caspian Tern       c       c         Elegant Tern       r       u         Common Tern       o       c         * Forster's Tern       c       c         * Least Tern       u       u							2.5
* Western Gull					07		200
Glaucous-winged Gull         c         C           Glaucous Gull         o         r           * Caspian Tern         c         C           Elegant Tern         r         o           Common Tern         o         c           * Forster's Tern         c         c           * Least Tern         u         r			٠.	u			
Glaucous Gull		• • • •			C)		40.00
* Caspian Tern						С	Š
Elegant Tern         r         u         o           Common Tern         o         o         a           * Forster's Tern         c         o         a           * Least Tern         u         u         u         u	Glaucous Gull		٠.	0		r	
Common Tern         0           * Forster's Tern         0           * Least Tern         u	* Caspian Tern			С	Č.	G	9
* Forster's Tern	Elegant Tern			r	au ş	0	
* Forster's Tern c . c . a					20	0	100
* Least Tern u 203 r					Ĉ,	а	
The state of the s					ů.	r	
DIGOR TOHI Estay	Black Tern					r	

Sp S F W

COMMON NAME

COMMON NAME

SEABIRDS				X
Common Murre	r	C.	0	į.
Pigeon Guillemot	u	u)	r	Ü
•		鑁		Ĺ
DOVES		35		
* Rock Dove	С	C	C	1
* Mourning Dove	С	C	C	Ĉ
				ģ,
OWLS				ď.
* Common Barn-Owl	น	W <sub>3</sub>	u	,
* Great Horned Owl	u	EU c	u	
* Burrowing Owl	u	ŭ:	U	Ĺ
* Short-eared Owl	u		u	ŧ١
SWIFTS				4
Vaux's Swift	0		0	
White-throated Swift	u	TO .	U	Ü
HUMMINGBIRDS		麩		Ę
* Anna's Hummingbird	น	TU:	u	É
Rufous Hummingbird	u		u	
* Allen's Hummingbird	С	ic s	0	9
, mon o manimingon a minimina	-		•	
KINGFISHERS		2		8
Belted Kingfisher	u		u	
Defice rangillation	-		_	
WOODPECKERS				ė
Acorn Woodpecker	r		r	Ě
Red-breasted Sapsucker	•		•	Ę
Nuttall's Woodpecker	u	<b>100</b>	u	í
* Downy Woodpecker	u		u	Ě
* Northern Flicker	u		u	
Norwielli i licker	u		-	
FLYCATCHERS				Ē
Olive-sided Flycatcher	r			É
Western Wood-Pewee	r	麡		k
Willow Flycatcher	•		r	į
Western Flycatcher	u		u	Š
* Black Phoebe	u	黑	u	É
Say's Phoebe	0		0	
	0		Ü	Ĭ
Ash-throated Flycatcher	0		r	8
Western Kingbird	U	箼	•	
LARKO				ä
LARKS	и	层	u	
* Horned Lark	u		u	Ę
		屬		ı
SWALLOWS		羅	u	E
* Tree Swallow	น	鼹	_	į
Violet-green Swallow	u	鼺	u	
* Northern Rough-winged Swallow	u		0	ŧ
Bank Swallow	r		_	Ē
* Cliff Swallow	а	日	C	
* Barn Swallow	а		С	Į.
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